Opensource University

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Target: African public institutions, African governments

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HOW TO EFFECTIVELY DEVELOP AFRICAN STATES THROUGH THE USE OF FREE AND OPEN SOURCE SOFTWARE

A Practical Solution in a nutshell

"The tiger does not proclaim its tigritude, but pounces on its prey and devours it." ***Wole Soyinka***
"Arm yourself with science to the teeth." ***Cheikh Anta Diop***
"In true open source, you have the right to control your own destiny." ***Linus Torvalds***

1 https://www.gnu.org/licenses/fdl-1.3.html

1- Understanding Free Software and Open Source

What is open source software?

Free software" means software that respects the freedom and community of users. Basically, it means that users have the freedom to run, copy, distribute, study, modify and improve the software. So "free software" is about freedom, not price. To understand the concept, you have to think of "free" as "freedom of expression," not "free beer. We sometimes call it "free software", borrowing the French or Spanish word for "libre" as in freedom, to show that we don't mean that the software is free.

Source: read

En savoir plus: doc1 doc2 doc3

2- The 7 choices for investing and migrating public administration into the use of open source software:

1. **Economic investment cost**
2. **Economic operation and maintenance cost**
3. **Quality and performance**
4. **Better safety**
5. **Openness and interoperability**
6. **Sustainability and independence.**
7. **Possibility for the public sector to take over the maintenance of open source software and to bring in its own words to its software.**

3- Why avoid using Microsoft products in public administration

Many restrictive licences

Security issues

Constraints of maintenance cost / lower quality

Violation of the rules of the educational philosophy

High risk of espionage and data theft

source : doc1 doc2

4- Which software to use in the public administration ?

Operating system: GNU/Linux Ubuntu
Applications : firefox , libreoffice, Thunderbird , VLC, ...

#OpensourcePlanet #OpensourceAfrica #OpensourceSchool
#OpenSourceCity #OpensourceOffice #OpensourceProcesses
#GLDPU #GLDPD

En savoir plus : doc1 , doc2 , doc3 , doc4 , doc5

Projects, reports and sample posts

Far from discussing the benefits of open source and demonstrating that free and open source software is the sine qua non for scientific, technological, economic and social development in Africa, the exploitation of demonstration projects can be a real source of inspiration.

UK : Call from the British government
Be open and use open source

Contents

How open source differs to open standards
How using open source will help your programme
How being open will help your programme
Publishing code when building your technology
Buying technology that uses open source
Related guides and sources

Source : doc1 , doc2

Japon : world leader in open source

Source : doc1 , doc2

Germany : Open-Source Software in Public Administrations in Schleswig-Holstein

What is the commitment?
When it comes to developing software for specialist applications, the goal is open-source development. To achieve that ambition, we will revise the relevant procurement conditions, among other activities.

Source : doc1

US : Raleigh, NC—the world's first open source city

Source : read

Genève : L'open source au coeur de la politique de transformation numérique du canton de Genève .

Source : doc1 , doc2

India : India has a vibrant and growing open-source community. In March, Microsoft's GitHub, which has 5.8 million Indian contributors, announced a grant of Rs.1 crore to support India-based open-source maintainers and contributors who build world-class software using open-source tools.

Source : doc1 , doc2

France : Administration: un rapport parlementaire prône le recours systématique au logiciel libre

Open Source : Et si au lieu d'«encourager» l'utilisation des logiciels libres, l'administration y recourait systématiquement? Le rapport Latombe propose que l'usage des solutions propriétaires devienne «une exception».

Source : read

RUSSIE : Vladimir Poutine veut faire migrer la Russie vers les logiciels libres d'ici 2015

L'esprit libre : L'intérêt de la Russie pour le développement des logiciels libres semble se confirmer, avec un plan de migration des administrations en 25 points signé par le Premier ministre Vladimir Poutine en personne.

From original doc :
1. Approve the attached plan for the transition of federal executive bodies and federal budgetary institutions to the use of open source software for 2011 - 2015.
2. Federal executive agencies shall ensure the implementation of measures in accordance with the plan approved by this decree within the limits of the maximum number of their employees and the budgetary allocations made to them in the federal budget for the execution of competences in the area of activity established by the Government of the Russian Federation.

Translated with www.DeepL.com/Translator (version gratuite)

Source : Doc1 , Doc2

UE : Les logiciels open source favorisent la compétitivité et l'innovation au sein de l'UE et pourraient permettre d'atteindre la souveraineté numérique, selon une étude de la Commission européenne

Source : read

France : La gendarmerie, cas d'école d'une migration à grande échelle vers les logiciels libres

L'esprit libre : Des dizaines de millions d'euros économisés pour un fonctionnement réussi en adoptant successivement OpenOffice, Firefox, Thunderbird, puis Linux: la gendarmerie vient de témoigner sur son passage au ...

Source : read

France :La gendarmerie passera ses 70 000 PC sous Ubuntu d'ici à 5 ans

Technologie : Terminé Windows. Dans 5 ans, tous les ordinateurs des gendarmes seront équipés de l'OS Linux. Ce changement répond à la nécessité de réduire le budget informatique et au besoin de recouvrer une plus grande indépendance face aux éditeurs.

Source : read

France :Les logiciels libres, "seule alternative viable" pour la souveraineté numérique

Open Source : Informaticien et commissaire à la Cnil, François Pellegrini plaide pour une priorité aux logiciels libres afin d'assurer une souveraineté numérique réelle.

Source : read

France :La gendarmerie nationale passe à OpenOffice

Technologie : La maréchaussée abandonne Microsoft Office. Fin 2005, ses 70.000 postes seront équipés de la suite non propriétaire OpenOffice. Une migration qui devrait lui permettre d'économiser 2 millions d'euros par an.

Source : read

France :gendarmerie nationale: «Nous utilisons un projet libre pour gérer l'inventaire de notre parc informatique»

Open source : Fort d'une culture du logiciel libre dans leurs services informatiques, les gendarmes développent plusieurs projets en parallèle. Dont un consacré aux outils de gestion du parc informatique.

Source : read

Logiciel libre: les réponses de François Hollande et Nicolas Sarkozy au CNLL

L'esprit libre : Si plusieurs points de convergence apparaissent entre les deux candidats, leurs principales différences se trouvent dans l'éducation, où François Hollande se montre beaucoup plus volontariste, et les brevets logiciels, soutenus par Nicolas Sarkozy et bannis par son rival PS.

Source : read

US : La Défense et la Sécurité intérieure des Etats-Unis recourent de plus en plus à l'open source

Le département de la Sécurité intérieure lance le programme Homeland Open Security Technology (HOST) destiné à améliorer l'emploi de l'open source dans l'informatique du gouvernement américain. Tandis que la Défense vient d'ouvrir Forge.mil, un système de développement collaboratif.

Source : read

US : Department of Defense study urges open source adoption

The Open Technology Development road map, a recently authored government report, advises Deputy Undersecretary of Defense Sue Payton to integrate a comprehensive open source strategy into defense department procurement and development policies.

Source : read

Chine : Huawei to help build China's first open-source software foundation

Huawei Technologies Co said it plans to partner with several companies to set up China's first open-source software foundation, which may be established in one or two months at the earliest to grow the nation's open-source software community.

Source : read

Conclusion

1- The big secret to keep in mind: in Africa everyone sings the word innovation. But what people don't know is that you don't innovate from nothing. You always innovate from something that already exists. To innovate, you must first learn and train. Without the help and training of his father, Pascal's genius would not have been manifested.

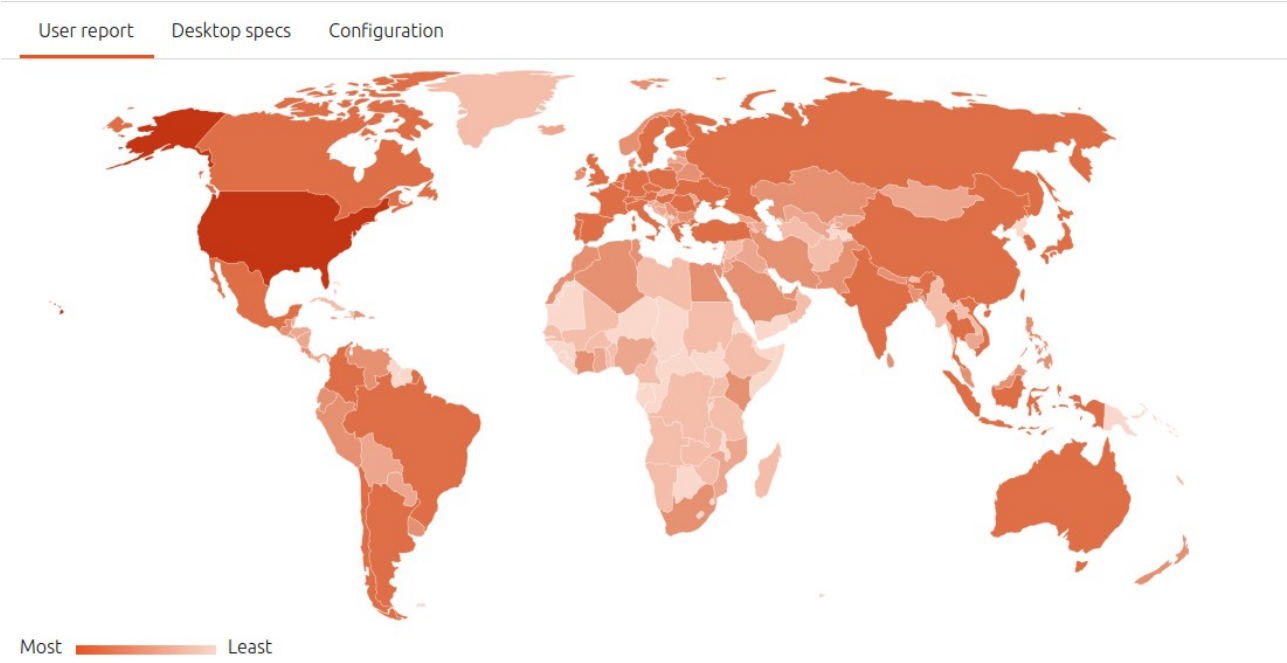
2- To innovate from what exists implies that this existing must be exploitable: the exploitability of the existing technology is determined by its character of being open: documentation, protocol, code...

3- From point 2: it follows that only open source technologies offer this possibility by their philosophy. And besides, they are the ones that make the whole internet and drive the great technological revolution of this century.

4- Getting involved in open source is therefore, according to point 3, integrating into the technology, really entering the big league, by appropriating the techniques and processes of manufacturing software and other technological products. Embracing open source is about seeing how things work in the world of technology research and innovation: building research laboratories powered by open source, propelling Fab Labs, supporting organisations and startups working for the digital transformation of the continent through open source.

To resume, if we want to innovate and develop: we must first integrate the technology. This is only possible through open source.
Open source is therefore a powerful weapon capable of developing Africa and propelling the African continent forward scientifically and technologically, in all areas up to the realisation of ambitious space programmes.
Moreover, open source is the solution for Africa in the fight against poverty. The money saved by using open source or free technologies can be reinvested in other projects. As is the case in the European Union, the USA, Germany, Geneva, France, China, India, etc., African states must place open source at the heart of their development policy. Open source solutions exist in all areas. African states simply need to adopt and cultivate open source to develop effectively.

Africa needs to work hard to get to the top of the ubuntu desktop statistics report.



https://ubuntu.com/desktop/statistics